LDE 1310  
Irrigation and Water Management  
3 Credits  
Focuses on the major aspects of irrigation. Topics include water quality and treatment, irrigation design, installation tools and techniques, drainage and retention ponds, watering techniques for turf and plant quality, and conservation.

LIN 1670  
English Grammar and Usage  
3 Credits  
Provides an intensive study of traditional grammar usage and mechanics for those students who desire to improve both their understanding and use of English. Provides an in-depth review of grammar to returning students. Complements English composition courses.  
Prerequisites: College level reading and writing skills are required.

LIN 1670H  
Honors English Grammar and Usage  
3 Credits  
Same as LIN 1670 with honors content. Honors Institute permission required.  
Prerequisites: College level reading and writing skills are required.

LIS 1004  
Introduction Internet Research  
1 Credit  
This course is delivered via the World Wide Web and Internet email. The course focuses on the methods of accessing information resources available through the Internet. Students will learn to design search strategies, retrieve resources, electronic journals, and electronic text, evaluate and cite Internet sources valuable for research purposes.

LIT 2100  
World Literature to 1650  
3 Credits  
Focuses on the major periods and forms in literature from Greek and Roman Classicism through the Renaissance, excluding British and American literature. Topics will include the cultural background of each period and the distinctive characteristics of each style and genre.  
Prerequisites: College level reading and writing skills required.

LIT 2110  
Honors World Literature to 1650  
3 Credits  
Same as LIT 2110 with honors content. Honors Institute permission required.  
Prerequisites: College level reading and writing skills required.

LIT 2120  
World Literature: 1650 to Present  
3 Credits  
Focuses on literature from the Renaissance to now.  
Prerequisites: College level reading and writing skills are required.

LIT 2120H  
Honors World Literature: 1650 to Present  
3 Credits  
Same as LIT 2120 with honors content. Honors Institute permission required.  
Prerequisites: College level reading and writing skills are required.

MAC 1105  
College Algebra  
3 Credits  
Provides students with the opportunity to gain algebraic knowledge needed for many fields such as engineering, business, science, computer technology, and mathematics. Graphical and numerical methods support the study of functions and their corresponding equations and inequalities. Students will study linear, quadratic, polynomial, rational, exponential, logarithmic, inverse, composite, radical, and absolute value functions; systems of equations and inequalities; modeling applied problems; and curve fitting techniques.  
Prerequisite: MAT 1033 with a minimum grade of C or appropriate score on placement test.

MAC 1105H  
Honors College Algebra  
3 Credits  
Same as MAC 1105 with honors content. Honors Institute permission required.  
Prerequisite: MAT 1033 with a minimum grade of C or appropriate score on placement test.

MAC 1114  
Trigonometry  
3 Credits  
Major topics include trigonometric functions, their properties and graphs; inverse trigonometric functions, their properties and graphs; conditional trigonometric functions; solutions of triangles; vector algebra; parametric equations; polar coordinates; applications. For students taking MAC 1140 and MAC 1114 in preparation for MAC 2311, it is recommended that MAC 1140 be taken before MAC 1114. Previous credit for MAC 1147 precludes credit for MAC 1114.  
Prerequisite: MAC 1105 with a minimum grade of C or appropriate score on placement test.
MAC 1140
Pre-Calculus Algebra
3 Credits
Major topics include polynomial, rational, and other algebraic functions, their properties and graphs; polynomial and rational inequalities; exponential and logarithmic functions, their properties and graphs; piecewise defined functions; conic sections; matrices and determinants; sequences and series; mathematical induction; binomial theorem; applications. For students taking MAC 1140 and MAC 1114 in preparation for MAC 2311, it is recommended that MAC 1140 be taken before MAC 1114. Previous credit for MAC 1147 precludes credit for MAC 1140. Prerequisites: MAC 1105 with a minimum grade of C or appropriate score on placement test.

MAC 1147
Pre-Calculus Algebra and Trigonometry
5 Credits
This is an accelerated course covering the topics of both MAC 1140 and MAC 1114. Students should already have some prior knowledge of trigonometry. Major topics include polynomial, rational, and other algebraic functions, their properties and graphs; polynomial and rational inequalities; exponential and logarithmic functions, their properties and graphs; piecewise defined functions; trigonometric functions, their properties and graphs; inverse trigonometric functions, their properties and graphs; trigonometric identities; conditional trigonometric equations; solutions of triangles; vector algebra; parametric equations; polar coordinates; conics; matrices and determinants; sequences and series; mathematical induction; binomial theorem; applications. Previous credit for MAC 1114 or MAC 1140, precludes credit for MAC 1147. Prerequisite: MAC 1105 with a minimum grade of B or appropriate score on placement test.

MAC 2233
Calculus for Business and Social Science
3 Credits
Provides a review of functions and an introduction to limits, with an emphasis on differentiation and integration of algebraic, exponential and logarithmic functions. Topics are directed toward applications in business, economic, social and behavioral sciences. Previous credit for MAC 2311 precludes credit for MAC 2233. Prerequisite: MAC 1105 or MAC 1140 with a minimum grade of C or appropriate score on placement test.

MAC 2241
Calculus for the Life Sciences
5 Credits
This is a Calculus I course with a heavy emphasis on applications to biological systems. The basic concepts of Calculus, such as limits, continuity, derivatives, extreme value theorem, differentials, integration and the fundamental theorem, will be developed together with solutions techniques of both analytical and numerical nature. Differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions with applications to life sciences and other topics of interest to biology, psychology, pre-medical, pre-pharmacy, pre-dental, and pre-veterinary students will be covered. Students cannot receive credit for this course and also for MAC 2311 (Calculus I) or MAC 2233 (Calculus for Business). Prerequisites: MAC 1140 and MAC 1114 or MAC 1147 with a minimum grade of C or appropriate score on placement test.

MAC 2311
Calculus and Analytic Geometry I
5 Credits
This is the first of a three-course sequence in calculus. Major topics include limits, continuity, and differentiation and integration of algebraic, trigonometric, exponential and logarithmic functions. Applications include rates of change, related rates, mean value theorem, extreme values, curve sketching, differentials, area, volume and work. Prerequisites: MAC 1114 and MAC 1140 or MAC 1147 with a minimum grade of C or appropriate score on placement test.

MAC 2312
Calculus and Analytical Geometry II
5 Credits
This is the second in a three-course sequence in calculus. Major topics include differentiation and integration of hyperbolic functions, algebraic, trigonometric, and numerical integration techniques, applications of integrals, improper integrals, parametric equations, polar coordinates, conics, and sequences and series. Prerequisite: MAC 2311 with a minimum grade of C.

MAC 2313
Calculus and Analytical Geometry III
5 Credits
A continuation of MAC 2312. Focuses on arc length and surface area, vectors in two and three dimensional space, planes, lines and surfaces in three-dimensional space, functions of more than one variable, partial derivatives, double and triple integrals and their applications, cylindrical and spherical coordinates, vector fields, line integrals, Green's theorem and Stoke's theorem. Prerequisites: MAC 2312 with a minimum grade of C.

MAN 1021
Principles of Management
3 Credits
This course presents an overview of the management functions including planning, organizing, controlling, leading, and problem-solving in organizations; reviews foundations of management thought and managerial processes that lead to organizational effectiveness in today's global business environment. Prerequisites: College level reading and writing skills are required.

MAN 1949
Management Internship
3 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student. This course may be repeated six times for credit. Credit for this course does not apply to the associate in arts degree.
**MAN 2604**  
**Intercultural Relations in Business**  
3 Credits  
Examines the influence of individual differences and ethnic and national culture on behaviors within organizations and across national borders. Addresses the questions of how and when to be sensitive to these issues, and develops skills required to effectively manage in diverse environment.  
Prerequisites: College level reading and writing skills are required.

**MAN 2761**  
**Strategic Business Management and Leadership**  
3 Credits  
This course examines techniques to creatively vision and analyze the future to prepare individuals and organizations for future opportunities and threats. Designed to familiarize students with techniques for analyzing the future, critical issues, how the future will impact them as individuals. This course will expand the concepts in MAN 1021 by focusing on strategies for effective planning management and leadership.

**MAP 2302**  
**Differential Equations**  
3 Credits  
Covers first order differential equations including those with separable variables, homogeneous and exact equations and equations made by an integrating factor. Topics include linear differential equations of higher order and their solutions including both homogeneous and non-homogeneous equations, differential operators, Laplace transforms, and series solutions and applications. Designed for engineering and mathematics majors.  
Prerequisite: MAC 2312 with a minimum grade of C.

**MAT 0018**  
**Pre-Algebra**  
4 Credits  
Focuses on manipulative skills of whole numbers, integers, fractions, and decimals. Topics include prime factorization, square roots, and absolute values, order of operations, use of percents, formulas, measurement, geometry, and introduction to algebra. This course does not satisfy general education requirements in mathematics and is awarded compensatory credit only. Credit for MAT 0012 precludes credit for MAT 0018.  
Prerequisites: REA 0007 or appropriate score on placement test.

**MAT 0028**  
**Beginning Algebra**  
4 Credits  
Provides an introduction to algebra. Topics include basic linear equations and inequalities, properties of real numbers, operations, involving exponents and polynomials, factoring, quadratic equations, applications, graphing of linear equations, and an introduction to radical simplification. This course does not satisfy general education requirements in mathematics and is awarded compensatory credit only. Credit for MAT 0024 precludes credit for MAT 0028.  
Prerequisite: MAT 0018 and REA 0007 or appropriate score on placement test.

**MAT 1033**  
**Intermediate Algebra**  
3 Credits  
Topics include sets, relations, functions, polynomial operations, factoring, absolute value, rational expressions, and equa-
tions (linear, quadratic, radical, rational) systems of equations, inequalities, exponents, radicals, graphs of linear equations, and inequalities in two variables, complex numbers, and applications. Elective credit only.
Prerequisites: MAT 0028 with a grade of C or better or appropriate score on placement test.

MCB 1000
Microbiology and Human Disease
3 Credits
Intended for Biology and Allied Health majors. Focuses on disease states, bacteria, viruses, fungi, rickettsiae and other pathogenic organisms. Topics will include problems of sterilization, infections, resistance, diagnostic testing and immunization.
Prerequisites: College level reading and writing skills are required.
Corequisite: MCB 1000L

MCB 1000L
Microbiology Lab
1 Credit
A special fee will be charged for this course.
Prerequisites: College level reading and writing skills are required.
Corequisite: MCB 1000

MCB 1060
Food Microbiology
3 Credits
This course offers detailed examination of the principles of food microbiology and their application to current food technology. Additional topics covered will be food and enzymes produced by micro-organisms, food in relation to disease, food sanitation control and inspection and the Food Additives Amendment of the Federal Food, Drug and Cosmetic Act.
Corequisite: MCB 1060L

MCB 1060L
Food Microbiology Lab
1 Credit
This course is designed to accompany MCB 1060. Aseptic techniques and the culturing of microorganisms are presented. Various techniques for culturing foods, performing food counts, preparing food using micro-organisms, and sampling the environment for microorganisms are presented.
Corequisite: MCB 1060

MCB 1910L
Guided Undergraduate Research
1 Credit
This course is intended for biological science majors who desire to gain experience with research techniques, methods and procedures. It is intended to create supervised study through field and laboratory projects, guided readings, and achievement in specific research skills. Students will develop independence in the laboratory regarding their research project and will learn how to write a scientific abstract.

MCB 2010
General Microbiology
3 Credits
Focuses on a survey of general topics in microbiology needed by students majoring in biology, microbiology and allied health. Emphasis is given to the structures, functions, classification, metabolism and genetics of microorganisms. The course explores the interaction between infectious microorganisms and the human body including a survey of typical infectious diseases.
Prerequisite: BSC 1010
Corequisite: MCB 2010L

MCB 2010L
Gen Microbiology Lab
1 Credit
Prerequisites: BSC 1010L
Corequisite: MCB 2010

MET 2010C
Meteorology
3 Credits
A one semester course for non-science majors that focuses on the physical properties and dynamics of the atmosphere. Topics include the origin and evolution of the atmosphere, storms and severe weather, weather forecasting and analysis, and the impact of weather and climate on humankind.
Prerequisites: College level reading, writing and math skills are required.

MGF 1106
Topics in Mathematics
3 Credits
Topics will include finite and infinite sets, logic, deductive and inductive reasoning, geometry, counting methods, probability and statistics. Studying these topics will develop a broader base of mathematical knowledge. This course may be used to satisfy part of the mathematics general education requirement for the associate in arts degree.
Prerequisite: MAT 1033 with a C or better, or appropriate score on placement score.

MGF 1106H
Honors Topics in Mathematics
3 Credits
Same as MGF 1106 with honors content.
Prerequisite: MAT 1033 with a C or better, or appropriate score on placement score.

MGF 1107
Explorations in Mathematics
3 Credits
This course may be used to satisfy part of the mathematics general education requirement for the associate in arts degree. Topics will be chosen from the following: financial mathematics; sequences and series; elementary number theory; history of mathematics; linear and exponential growth; voting theory; chaos and fractals; reflections and translations in geometry; graph theory; game theory; and mathematical use of calculators and computers. These topics will be helpful in developing
a broader base of mathematical knowledge.
Prerequisite: MAT 1033 with a minimum grade of C or appropriate score on placement test.

MGF 1107H
Honors Explorations in Mathematics
3 Credits
Same as for MGF 1107 with honors content. Honors Institute permission required.

MGF 1119
Introduction Math with Applications
3 Credits
This course is designed to provide a survey of mathematics topics to serve the associate in science and the associate in applied science degree programs. Focuses on sets, probability, statistics, metric measurement, geometry, syllogisms and consumer mathematics with an emphasis on problem solving, reasoning, and the use of a calculator. This course does not satisfy the general education mathematics requirement of associate in arts students.
Prerequisites: MAT 0028 with a minimum grade of C.

MKA 1949
Marketing Internship
3 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student. This course may be repeated six times for credit. Credit for this course does not apply to the associate in arts degree.

MMC 2000
Introduction Mass Communications
3 Credits
Provides an overview of the background, role, and responsibilities of the mass media; focuses on analyzing and evaluating techniques. Topics include print and electronic media and film.

MMC 2100C
Writing for Mass Communication
3 Credits
Covers the basic techniques used in preparing copy for mass media including the fundamental journalistic skills used in writing for newspapers, magazines, radio, television, public relations and advertising.
Prerequisites: MMC 2000. College writing skills are required. Corequisite: JOU 1400L

MNA 1320
HR Recruitment Interviewing and Selecting
3 Credits
Provides a detailed overview of staffing activities crucial to organization performance. Within the context of current law and regulations, the focus will be on the assessment of staffing needs, recruitment strategies, interviewing techniques, selection tools and methods, planning and implementation of staffing policies. Credit for this course does not apply to the associate in arts degree.

MNA 1325
HR Statistical Analysis, Compensation and Benefits
3 Credits
An examination of the compensation systems in large and small organizations, the methods and implications of making wage and salary decisions, and the use of statistical analysis in decision making. Topics include: job analysis, job evaluation, wage surveys, incentives, pay equity, benefits and compensation strategy, and legal perspectives. Credit for this course does not apply to the associate in arts degree.

MSL 1001C
Leadership and Personal Development
2 Credits
Introduces personal challenges and competencies critical to effective leadership; teaches personal development life skills relative to leadership, officerhip, and the Army profession; focuses on gaining understanding of the ROTC program and its purpose in the Army. Enrollment is limited to students who are also enrolled in the USF ROTC program.

MSL 1002C
Introduction to Tactical Leadership
2 Credits
Presents leadership basics (e.g.: setting direction, problem-solving, listening, briefs, giving feedback and use of effective writing skills); explores dimensions of leadership values, attributes, skills and actions in context of practical hands-on exercises. Enrollment is limited to students who are also enrolled in the USF ROTC program.

MSL 2101C
Innovative Team Leadership
2 Credits
Examines challenges of leading tactical teams in complex current operating environment; highlights dimensions of terrain analysis, patrolling and operation orders; develops greater self-awareness, communication and team building skills. Enrollment is limited to students who are also enrolled in the USF ROTC program.

MSL 2102C
Foundations of Tactical Leadership
2 Credits
Examines challenges of leading tactical teams in complex current operating environment; highlights dimensions of terrain analysis, patrolling and operation orders; develops greater self-awareness, communication and team building skills. Enrollment is limited to students who are also enrolled in the USF ROTC program.

MSL 2900
Army Physical Readiness
1 Credit
This course will train students in the unique role of Army physical readiness in sustaining military operations. It will also prepare students to plan, prepare, and conduct military fitness training. Student can receive one credit per semester for up to four semesters. Enrollment is limited to students who are also enrolled in the USF ROTC program.
MTB 1103
Math for Business
3 Credits
Focuses on depreciation, overhead allocation, sales and property taxes, insurance, wages and payrolls, trade and cash discounts, markup and markdown, simple and compound interest, present value, bank discount, installment purchasing and annuities Credit for this course does not apply to the associate in arts degree. Prerequisites: College level math skills are required.

MTB 1327
Electronics Math
4 Credits
Focuses on the basic algebraic and trigonometric skills required in the study of electronics. Topics include algebraic operations, equations, and fractions. Also included are solving simultaneous linear equations, trigonometric functions, right triangle applications, vectors, phasor algebra, and logarithms. Credit for this course does not apply to the associate in arts degree. Prerequisites: College level math skills are required.

MUL 1010
Introduction to Music
3 Credits
Covers the basic principles of music and techniques for listening to music, with an emphasis on Western music from the 17th century to the present. Prerequisites: College level reading and writing skills are required.

MUM 1623
Electronic Music: Introduction MIDI
3 Credits
An introduction to electronic music composition through lecture and studio instruction, with an emphasis on the MIDI system, in conjunction with computers and the digital synthesizer. Prerequisite: MUT 1111

MUN 1120
Concert Band I
1 Credit
Provides for participation in a concert band which performs traditional and contemporary music. This course may be repeated four times for credit.

MUN 1310
Chorus
1 Credit
Provides for participation in a chorus which performs a variety of music at college and public functions. This course may be repeated four times for credit.

MUN 1340
Vocal Ensemble
1 Credit
Provides for participation in small performing groups and includes the study of traditional and contemporary music. This course may be repeated four times for credit.

MUN 1410
String Ensemble
1 Credit
Provides for participation in small instrumental groups and includes the study of traditional and contemporary music. This course may be repeated four times for credit.

MUN 1420
Woodwind Ensemble
1 Credit
Provides for participation in small instrumental groups and includes the study of traditional and contemporary music. This course may be repeated four times for credit.

MUN 1430
Brass Ensemble
1 Credit
Provides for participation in small instrumental groups and includes the study of traditional and contemporary music. This course may be repeated four times for credit.

MUN 1440
Percussion Ensemble, Small Ensemble
1 Credit
Provides for participation in small instrumental groups and includes the study of traditional and contemporary music. This course may be repeated four times for credit.

MUN 1480
Classical Guitar Ensemble
1 Credit
Designed to assist the pianist in learning how to perform in ensemble with other musicians. Repertoire will include piano duet and duo piano works from the standard repertoire. May be repeated for credit each semester. Prerequisite: Approval of instructor.

MUN 1448
Stage Band I, Major Ensemble
1 Credit
Provides for participation with a select group of musicians who perform contemporary jazz and stage band music. This course may be repeated four times for credit.
MUN 1810
Steel Drum Ensemble
2 Credits
This course involves the study and performance of literature for the Steel Drum. Students will develop instrumental technique specific to the steel drum and additionally develop an awareness of Caribbean music and culture. This course may be repeated six times for credit. Instructor approval required.

MUO 1001
Musical Theatre Workshop I
2 Credits
Open to those interested in musical theatre with approval of the instructor. Includes development of musical theatre repertoire, acting and movement performance skills. May include mock auditions or a public performance. This class is a performance class and participation is required. May be repeated for credit.

MUS 1010
Recital Attendance
Students in this course are required to attend recitals and concerts approved by the Hillsborough Community College, Ybor City Campus School of Visual and Performing Arts Music Department. This course is required of all students enrolled in Applied Music, principal instrument (or voice) courses. It is a non-credit S/U (Satisfactory/Unsatisfactory) course.

MUT 1001
Fundamentals of Music
3 Credits
Focuses on music fundamentals for non-music majors, with an emphasis on reading music, keys, scales, simple chords and their practical application.

MUT 1111
Music Theory I
3 Credit
Covers the rudiments of music, with an emphasis on major and minor scales, rhythmic and melodic notation, triads, intervals, cadences, chords and inversions and four part music writing. Topics include the development of aural and visual skills in music reading, rhythmic, melodic and harmonic dictation and the practical application of basic harmonic principles. Corequisite: MUT 1241L

MUT 1112
Music Theory II
3 Credit
A continuation of MUT 1111
Corequisite: MUT 1242L

MUT 1241L
Sight Singing and Ear Training I
1 Credit
Trains students to visually and aurally recognize the melodic, rhythmic and harmonic patterns studied in Theory I, translate patterns from aural stimulus to notation and visual/cognitive stimulus to performance in real time.
Corequisite: MUT 1111

MUT 1242L
Sight Singing and Ear Training II
1 Credit
Trains students to visually and aurally recognize the melodic, rhythmic and harmonic patterns studied in Theory II, translate patterns from aural stimulus to notation and visual/cognitive stimulus to performance in real time.
Corequisite: MUT 1112

MUT 2116
Music Theory III
3 Credits
Focuses on the development of music from Beethoven through the 20th century, with an emphasis on the techniques of four-part harmonization, including triads and chords, with an introduction to counterpoint.
Corequisite: MUT 2246L

MUT 2117
Music Theory IV
3 Credits
A continuation of MUT 2116
Corequisite: MUT 2247L

MUT 2246L
Sight Singing/Ear Training III
1 Credit
Trains students to visually and aurally recognize the melodic, rhythmic and harmonic patterns studied in Theory III, translate patterns from aural stimulus to notation and visual/cognitive stimulus to performance in real time.
Corequisite: MUT 2116

MUT 2247L
Sight Singing/Ear Training IV
1 Credit
Trains students to visually and aurally recognize the melodic, rhythmic and harmonic patterns studied in Theory IV, translate patterns from aural stimulus to notation and visual/cognitive stimulus to performance in real time.
Corequisite: MUT 2117

MVB 1011
Pre-Principal Freshman Trumpet (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001
MVB 1011
Pre-Principal Freshman Trumpet (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010

MVB 1012
Pre-Principal Freshman Horn (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001

MVB 1012
Pre-Principal Freshman Horn (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010

MVB 1013
Pre-Principal Freshman Trombone (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001

MVB 1013
Pre-Principal Freshman Trombone (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001

MVB 1014
Pre-Principal Freshman Baritone (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001

MVB 1014
Pre-Principal Freshman Baritone (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010

MVB 1015
Pre-Principal Freshman Tuba (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001

MVB 1015
Pre-Principal Freshman Tuba (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001
are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'

Corequisite: MUS 1010

MVB 1211  
**Secondary Freshman Trumpet**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010

MVB 1212  
**Secondary Freshman Horn**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010

MVB 1213  
**Secondary Freshman Trombone**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010

MVB 1214  
**Secondary Freshman Baritone**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010

MVB 1215  
**Secondary Freshman Tuba**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010

MVB 1311  
**Principal Freshman Trumpet**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVB 1312  
**Principal Freshman Horn**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVB 1313  
**Principal Freshman Trombone**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVB 1314  
**Principal Freshman Baritone Horn**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVB 1315  
**Principal Freshman Tuba**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVB 2221  
**Secondary Sophomore Trumpet**  
1 Credit  
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVB 2222  
**Secondary Sophomore Horn**  
1 Credit  
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010
MVB 2223  
**Secondary Sophomore Trombone**  
1 Credit  
This course is a continuation of MV_ 222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_ 10XX level but still does not meet the requirements for entry to the MV_ 13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010

MVB 2224  
**Secondary Sophomore Baritone**  
1 Credit  
This course is a continuation of MV_ 222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_ 10XX level but still does not meet the requirements for entry to the MV_ 13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVB 2225  
**Secondary Sophomore Tuba**  
1 Credit  
This course is a continuation of MV_ 222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_ 10XX level but still does not meet the requirements for entry to the MV_ 13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010

MVB 2321  
**Principal Sophomore Trumpet**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVB 1311  
Corequisite: MUS 1010

MVB 2322  
**Principal Sophomore Horn**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisites: MVB 1312  
Corequisite: MUS 1010

MVB 2323  
**Principal Sophomore Trombone**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVB 1313  
Corequisite: MUS 1010

MVB 2324  
**Principal Sophomore Baritone Horn**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVB 1314  
Corequisite: MUS 1010

MVB 2325  
**Principal Sophomore Tuba**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVB 1315  
Corequisite: MUS 1010

MVK 1011  
**Pre-Principal Freshman Piano (A)**  
2 Credits  
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'  
Corequisite: MUS 1010, MUT 1001

MVK 1011  
**Pre-Principal Freshman Piano (B)**  
2 Credits  
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'  
Corequisite: MUS 1010

MVK 1111  
**Freshman Class Piano**  
1 Credit  
Covers beginning piano skills for non keyboard music majors by combining lecture and outside practice. This course may be repeated once for credit.

MVK 1211  
**Secondary Freshman Piano**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_ 10XX level but still does not meet the require-
ments for entry to the MV_13XX level course. This course may be repeated once for credit.
Corequisite: MUS 1010

**MVK 1311**
**Principal Freshman Piano**
2 Credits
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.
Corequisite: MUS 1010

**MVK 1811**
**Class Piano/Non Music Majors**
1 Credit
Beginning piano for the non music major. This course may be repeated four times for credit.

**MVK 2121**
**Sophomore Class Piano**
1 Credit
Prepares the non keyboard music major in basic piano proficiency. This course may be repeated once for credit.
Prerequisite: MVK 1111

**MVK 2221**
**Secondary Sophomore Piano**
1 Credit
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.
Corequisite: MUS 1010

**MVP 1011**
**Pre-Principal Freshman Percussion (A)**
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated ‘A’ and ‘B.’
Corequisite: MUS 1010, MUT 1001

**MVP 1211**
**Secondary Freshman Percussion**
1 Credit
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.
Corequisite: MUS 1010.

**MVP 1311**
**Principal Freshman Percussion**
2 Credits
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.
Corequisite: MUS 1010

**MVP 2221**
**Secondary Sophomore Percussion**
1 Credit
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated 1 time for credit.
Corequisite: MUS 1010

**MVP 2321**
**Principal Sophomore Percussion**
2 Credits
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.
Prerequisite: MVP 1311
Corequisite: MUS 1010

**MVS 1011**
**Pre-Principal Freshman Violin (A)**
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on
the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010, MUT 1001

MVS 1011
Pre-Principal Freshman Violin (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVS 1012
Pre-Principal Freshman Viola (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001

MVS 1012
Pre-Principal Freshman Viola (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVS 1013
Pre-Principal Freshman Cello (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001

MVS 1013
Pre-Principal Freshman Cello (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVS 1014
Pre-Principal Freshman String Bass (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001

MVS 1014
Pre-Principal Freshman String Bass (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVS 1015
Pre-Principal Freshman Harp
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUT 1001 ("A" semester only), MUS 1010
MVS 1016  
**Pre-Principal Freshman Guitar (A)**  
2 Credits  
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'  
Corequisites: MUS 1010, MUT 1001

MVS 1016  
**Pre-Principal Freshman Guitar (B)**  
2 Credits  
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'  
Corequisite: MUS 1010

MVS 1116  
**Class Guitar**  
1 Credit  
Guitar class: group instruction in beginning classical guitar techniques. May be repeated four times for credit.

MVS 1211  
**Secondary Freshman Violin**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1212  
**Secondary Freshman Viola**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1213  
**Secondary Freshman Cello**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1214  
**Secondary Freshman String Bass**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1215  
**Secondary Freshman Harp**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_101_ level but still does not meet the requirements for entry to the MV_131_ level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1216  
**Secondary Freshman Guitar**  
1 Credit  
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1311  
**Principal Freshman Violin**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1312  
**Principal Freshman Viola**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 1313  
**Principal Freshman Cello**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010
MVS 1314  
**Principal Freshman String Bass**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisites: MUS 1010

MVS 1315  
**Principal Freshman Harp**  
2 Credits  
This course is designed for the music major to improve technical skills, musicianship and to study appropriate repertoire with emphasis on stylistically accurate performance practices. Students must either audition successfully for placement in this course or have successfully completed the MV_101_ courses. May be repeated once for credit.  
Corequisite: MUS 1010

MVS 1316  
**Principal Freshman Guitar**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 2221  
**Secondary Sophomore Violin**  
1 Credit  
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Prerequisite: MVS 1311  
Corequisite: MUS 1010

MVS 2222  
**Secondary Sophomore Viola**  
1 Credit  
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Prerequisite: MVS 1312  
Corequisite: MUS 1010

MVS 2223  
**Secondary Sophomore Cello**  
1 Credit  
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Prerequisite: MVS 1313  
Corequisite: MUS 1010

MVS 2224  
**Secondary Sophomore String Bass**  
1 Credit  
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 2225  
**Secondary Sophomore Harp**  
1 Credit  
This course is a continuation of MV_121_ and is designed for the music major who wishes to study a secondary instrument or for a student who has completed the MV_101_ level but still does not meet the requirements for entry to the MV_131_ level course. May be repeated once for credit.  
Corequisite: MUS 1010

MVS 2226  
**Secondary Sophomore Guitar**  
1 Credit  
This course is a continuation of MV_222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_10XX level but still does not meet the requirements for entry to the MV_13XX level course. This course may be repeated once for credit.  
Corequisite: MUS 1010

MVS 2321  
**Principal Sophomore Violin**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVS 1311  
Corequisite: MUS 1010

MVS 2322  
**Principal Sophomore Viola**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVS 1312  
Corequisite: MUS 1010

MVS 2323  
**Principal Sophomore Cello**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contract hour weekly. This course may be repeated once for credit.  
Prerequisite: MVS 1313  
Corequisite: MUS 1010
MVS 2324
Principal Sophomore String Bass
2 Credits
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.
Prerequisite: MVS 1314
Corequisite: MUS 1010

MVS 2325
Principal Sophomore Harp
2 Credits
This course is designed for the music major to improve technical skills, musicianship and to study appropriate repertoire with emphasis on stylistically accurate performance practices. Students must either audition successfully for placement in this course or have successfully completed the MV_101_ courses. May be repeated once for credit.
Corequisite: MUS 1010

MVS 2326
Principal Sophomore Guitar
2 Credits
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.
Prerequisite: MVS 1316
Corequisite: MUS 1010

MVV 1111
Elementary Voice
1 Credit
Covers the fundamentals of voice production; designed as a secondary study for the applied piano music major, or as an elective for the non music major. This course may be repeated four times for credit.

MVV 1211
Secondary Freshman Voice
1 Credit
This course is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MV_ 10XX level but still does not meet the requirements for entry to the MV_ 13XX level course. This course may be repeated 1 time for credit.
Corequisite: MUS 1010

MVV 1311
Principal Freshman Voice
2 Credits
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once.
Corequisite: MUS 1010

MVV 1311
Pre-Principal Freshman Voice (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010, MUT 1001

MVW 1011
Pre-Principal Freshman Flute (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001
MVW 1011
Pre-Principal Freshman Flute (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVW 1012
Pre-Principal Freshman Oboe (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVW 1012
Pre-Principal Freshman Oboe (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVW 1013
Pre-Principal Freshman Clarinet (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001

MVW 1013
Pre-Principal Freshman Clarinet (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001

MVW 1014
Pre-Principal Freshman Bassoon (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001

MVW 1014
Pre-Principal Freshman Bassoon (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVW 1015
Pre-Principal Freshman Saxophone (A)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who are not music majors, but who wish to study an instrument on the college level. In such cases, enrollment is subject to space availability and instructor approval. Students may take two semesters, designated 'A' and 'B.'
Corequisites: MUS 1010, MUT 1001

MVW 1015
Pre-Principal Freshman Saxophone (B)
2 Credits
This course is for the student who intends to be a music major, but who lacks the technique, music reading skills and/or performance experience proficiencies expected of a student wishing to register for the first semester college freshman level of applied music instruction. The course also serves those who
are not music majors, but who wish to study an instrument on
the college level. In such cases, enrollment is subject to space
availability and instructor approval. Students may take two
semesters, designated 'A' and 'B.'
Corequisite: MUS 1010

MVW 1211
Secondary Freshman Flute
1 Credit
This course is designed for the music major who wishes to
study a secondary instrument, or for a student who has com-
pleted the MV_10XX level but still does not meet the require-
ments for entry to the MV_13XX level course. This course may
be repeated once for credit.
Corequisite: MUS 1010

MVW 1212
Secondary Freshman Oboe
1 Credit
This course is designed for the music major who wishes to
study a secondary instrument, or for a student who has com-
pleted the MV_10XX level but still does not meet the require-
ments for entry to the MV_13XX level course. This course may
be repeated once for credit.
Corequisite: MUS 1010

MVW 1213
Secondary Freshman Clarinet
1 Credit
This course is designed for the music major who wishes to
study a secondary instrument, or for a student who has com-
pleted the MV_10XX level but still does not meet the require-
ments for entry to the MV_13XX level course. This course may
be repeated once for credit.
Corequisite: MUS 1010

MVW 1214
Secondary Freshman Bassoon
1 Credit
This course is designed for the music major who wishes to
study a secondary instrument, or for a student who has com-
pleted the MV_10XX level but still does not meet the require-
ments for entry to the MV_13XX level course. This course may
be repeated 1 time for credit.
Corequisite: MUS 1010

MVW 1215
Secondary Freshman Saxophone
1 Credit
This course is designed for the music major who wishes to
study a secondary instrument, or for a student who has com-
pleted the MV_10XX level but still does not meet the require-
ments for entry to the MV_13XX level course. This course may
be repeated 1 time for credit.
Corequisite: MUS 1010

MVW 1311
Principal Freshman Flute
2 Credits
Students must audition for placement in this course and will
receive private instruction of one contact hour weekly. This
course may be repeated once for credit.
Corequisite: MUS 1010

MVW 1312
Principal Freshman Oboe
2 Credits
Students must audition for placement in this course and will
receive private instruction of one contact hour weekly. This
course may be repeated once for credit.
Corequisite: MUS 1010

MVW 1313
Principal Freshman Clarinet
2 Credits
Students must audition for placement in this course and will
receive private instruction of one contact hour weekly. This
course may be repeated once for credit.
Corequisite: MUS 1010

MVW 1314
Principal Freshman Bassoon
2 Credits
Students must audition for placement in this course and will
receive private instruction of one contact hour weekly. This
course may be repeated once for credit.
Corequisite: MUS 1010

MVW 1315
Principal Freshman Saxophone
2 Credits
Students must audition for placement in this course and will
receive private instruction of one contact hour weekly. This
course may be repeated once for credit.
Corequisite: MUS 1010

MVW 2221
Secondary Sophomore Flute
1 Credit
This course is a continuation of MV_222X and is designed for
the music major who wishes to study a secondary instrument,
or for a student who has completed the MV_10XX level but
still does not meet the requirements for entry to the MV_13XX
level course. This course may be repeated 1 time for credit.
Corequisite: MUS 1010

MVW 2222
Secondary Sophomore Oboe
1 Credit
This course is a continuation of MV_222X and is designed for
the music major who wishes to study a secondary instrument,
or for a student who has completed the MV_10XX level but
still does not meet the requirements for entry to the MV_13XX
level course. This course may be repeated 1 time for credit.
Corequisite: MUS 1010
MVW 2223  
**Secondary Sophomore Clarinet**  
1 Credit  
This course is a continuation of MVW 222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MVW 10XX level but still does not meet the requirements for entry to the MVW 13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010  

MVW 2224  
**Secondary Sophomore Bassoon**  
1 Credit  
This course is a continuation of MVW 222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MVW 10XX level but still does not meet the requirements for entry to the MVW 13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010  

MVW 2225  
**Secondary Sophomore Saxophone**  
1 Credit  
This course is a continuation of MVW 222X and is designed for the music major who wishes to study a secondary instrument, or for a student who has completed the MVW 10XX level but still does not meet the requirements for entry to the MVW 13XX level course. This course may be repeated 1 time for credit.  
Corequisite: MUS 1010  

MVW 2321  
**Principal Sophomore Flute**  
2 Credits  
Students must audition for placement in this course and will receive private instruction on one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVW 1311  
Corequisite: MUS 1010  

MVW 2322  
**Principal Sophomore Oboe**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVW 1312  
Corequisite: MUS 1010  

MVW 2323  
**Principal Sophomore Clarinet**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVW 1313  
Corequisite: MUS 1010  

MVW 2324  
**Principal Sophomore Bassoon**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once for credit.  
Prerequisite: MVW 1314  
Corequisite: MUS 1010  

MVW 2325  
**Principal Sophomore Saxophone**  
2 Credits  
Students must audition for placement in this course and will receive private instruction of one contact hour weekly. This course may be repeated once.  
Prerequisite: MVW 1315  
Corequisite: MUS 1010  

NMT 1002  
**Introduction Nuclear Medicine**  
3 Credits  
Focuses on the history of nuclear medicine, nuclear medicine procedures, and basic concepts of radioactivity, radiation detection, instrumentation, radiation safety and production of radio pharmaceuticals. Field trips to nuclear medicine training facilities are included. Credit for this course does not apply to the associate in arts degree.  

NMT 1051  
**Nuclear Medicine Data Analysis**  
3 Credits  
Presents concepts dealing with data acquisition and reduction relative to the practice of nuclear medicine technology. Credit for this course does not apply to the associate in arts degree.  

NMT 1103  
**Introduction Patient Care**  
2 Credits  
Covers the basic concepts of patient care with an overview of proper patient management. Credit for this course does not apply to the associate in arts degree.  

NMT 1312  
**Radiation Safety and Health Physics**  
3 Credits  
Covers proper techniques in the safe handling of radioactive materials, with an emphasis on proper receipt, usage, storage and disposal of radioactive materials. Topics include rules, standards, regulations and biological effects of radiation. Credit for this course does not apply to the associate in arts degree.  
Prerequisite: NMT 1613  

NMT 1534  
**Nuclear Instrumentation**  
3 Credits  
Covers the basic operation of various radiation detection instruments including the Geiger Muller detector, analyzers, ionization chambers, scanners and cameras. Credit for this course does not apply to the associate in arts degree.  
Corequisite: NMT 1534L